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Project Number: 3193544  
Certificate of Conformance Number: J98036070-003

Date Issued: 10/29/2009

**Test Report Number: 3193544CRT-040c**



Applicant:  
Nexans Inc. DBA Berk-Tek  
132 White Oak Road  
New Holland, PA 17557

Manufacturer:  
Nexans Inc. DBA Berk-Tek  
132 White Oak Road  
New Holland, PA 17557USA

Applicant Contact: Mr. Charles Clauser

Mfg. Contact: Mr. Charles Clauser

Dear Mr. Charles Clauser;

Intertek is pleased to provide this letter report covering the testing of (1) one 4 Pair, 24 AWG, FTP, CMR, Non-Plenum Riser, Horizontal (solid) Cable, Part Number: 10043494. The sample was selected from your manufacturer facility, Nexans Inc. DBA Berk-Tek, by the Intertek Inspector Mr. Ronald Williams on 10/14/2009, for Q409 Quarterly Follow-up Testing.

The testing was performed at Intertek located in Cortland, NY on 10/20/2009, to the TIA 568-C.2 Category 5e specification and did comply with the applicable requirements of the specification.

We have appreciated this opportunity to be of service to you. If there are any questions regarding this letter or any other services offered by Intertek, Please do not hesitate to contact us.

Refer to Appendix for test summary results

Sincerely,

Antoine Pelletier  
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Global Cabling Products Testing  
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Technician  
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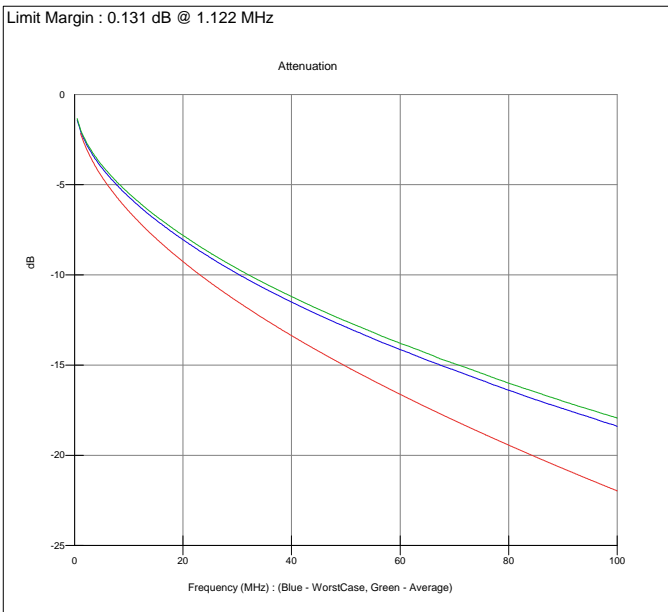
## Appendix A

### TIA Test Results

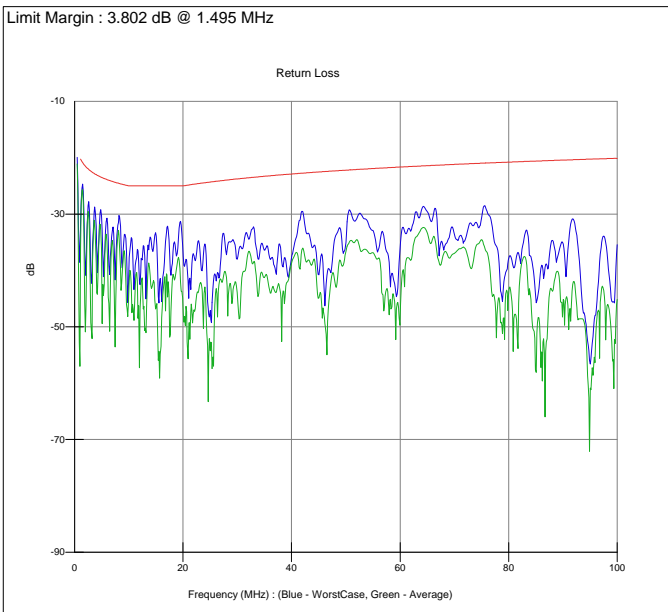


## Summary

<b>Client</b>	Nexans INC. DBA Berk-Tek	<b>Report No</b>	3193544CRT-040c
<b>Specification</b>	TIA-568-C2 - Cat 5e	<b>Length</b>	100.
<b>Part No</b>	10043494	<b>Temperature</b>	20 °C
<b>Test Started</b>	10/20/2009 10:16:54 AM		A
<b>Description</b>	4x24 FTP-CMR-Solid	<b>Test Status</b>	Complies
<b>Technician</b>	John Cash		



Attenuation			
Freq	Worst Case	Average	Spec
1.	1.9	1.8	2.0
4.	3.6	3.5	4.1
8.	5.1	4.9	5.8
10.	5.7	5.5	6.5
16.	7.2	7.0	8.2
20.	8.1	7.8	9.3
25.	9.0	8.8	10.4
31.25	10.1	9.9	11.7
62.5	14.4	14.1	17.0
100.	18.4	17.9	22.0

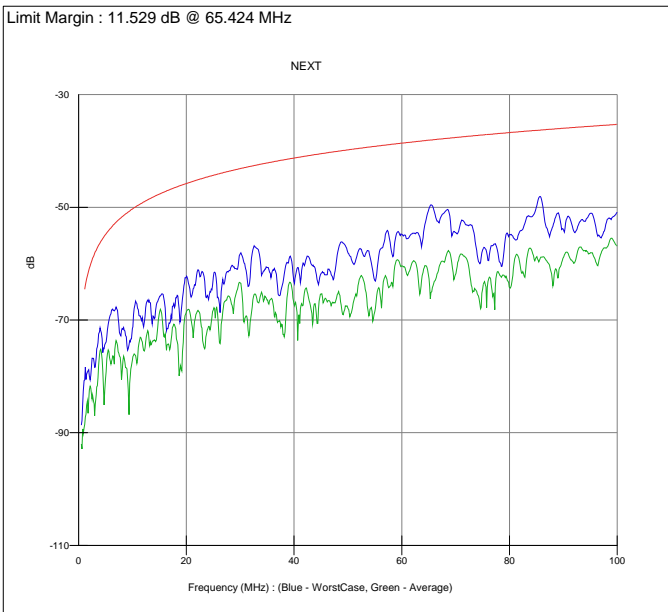


Return Loss			
Freq	Worst Case	Average	Spec
1.	38.6	56.6	20.0
4.	32.7	39.5	23.0
8.	32.1	33.4	24.5
10.	40.4	43.9	25.0
16.	44.6	50.3	25.0
20.	37.2	47.1	25.0
25.	47.1	54.2	24.3
31.25	34.9	40.2	23.6
62.5	31.3	35.3	21.5
100.	35.5	45.2	20.1

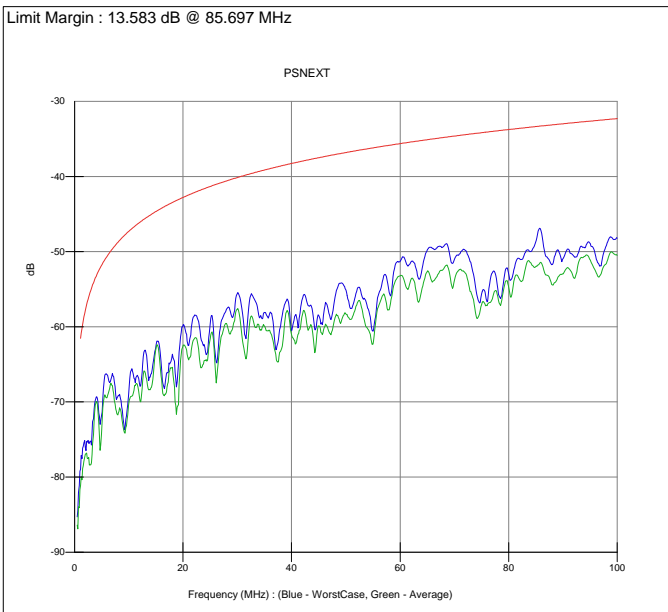


## Summary

<b>Client</b>	Nexans INC. DBA Berk-Tek	<b>Report No</b>	3193544CRT-040c
<b>Specification</b>	TIA-568-C2 - Cat 5e	<b>Length</b>	100.
<b>Part No</b>	10043494	<b>Temperature</b>	20 °C
<b>Test Started</b>	10/20/2009 10:16:54 AM		A
<b>Description</b>	4x24 FTP-CMR-Solid	<b>Test Status</b>	Complies
<b>Technician</b>	John Cash		



NEXT			
Freq	Worst Case	Average	Spec
1.	80.8	89.1	65.2
4.	71.5	75.4	56.3
8.	71.8	80.2	51.8
10.	71.4	76.9	50.3
16.	67.4	72.7	47.2
20.	62.3	68.5	45.8
25.	62.4	68.2	44.3
31.25	62.3	69.5	42.9
62.5	54.7	59.7	38.4
100.	50.9	56.9	35.3

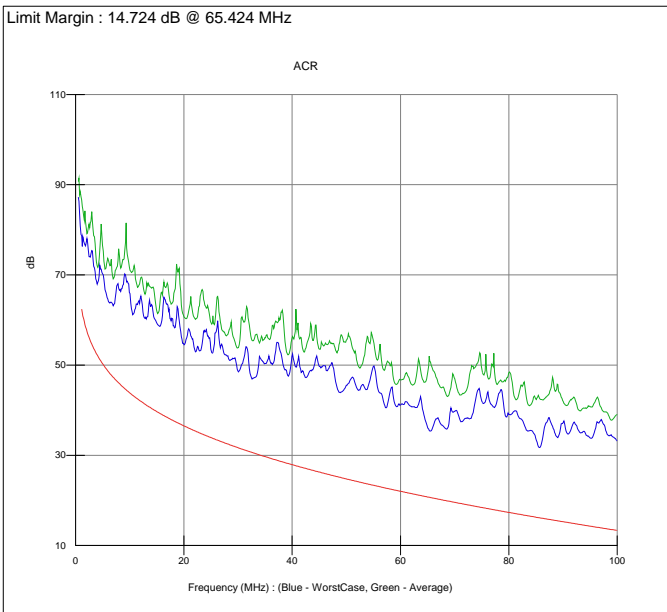


PSNEXT			
Freq	Worst Case	Average	Spec
1.	79.2	81.7	62.2
4.	69.3	70.0	53.3
8.	69.2	71.6	48.8
10.	68.7	70.2	47.3
16.	65.3	66.9	44.2
20.	59.8	62.5	42.8
25.	59.5	61.5	41.3
31.25	60.2	63.0	39.9
62.5	51.4	53.8	35.4
100.	48.2	50.5	32.3

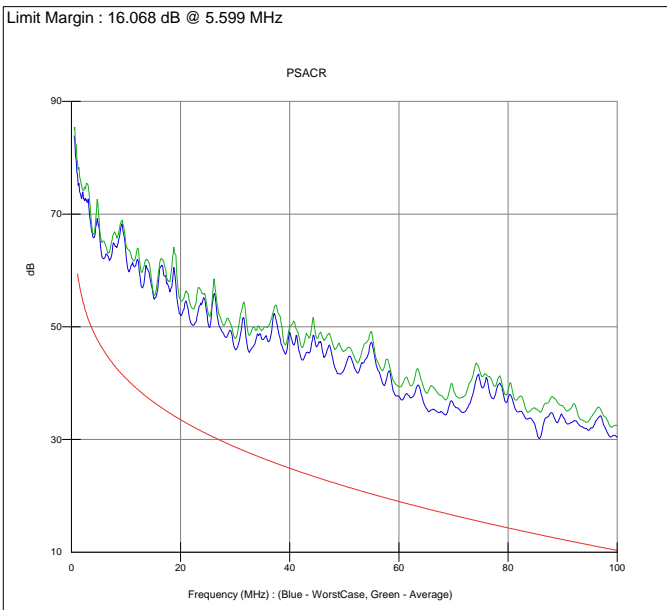


## Summary

<b>Client</b>	Nexans INC. DBA Berk-Tek	<b>Report No</b>	3193544CRT-040c
<b>Specification</b>	TIA-568-C2 - Cat 5e	<b>Length</b>	100.
<b>Part No</b>	10043494	<b>Temperature</b>	20 °C
<b>Test Started</b>	10/20/2009 10:16:54 AM		A
<b>Description</b>	4x24 FTP-CMR-Solid	<b>Test Status</b>	Complies
<b>Technician</b>	John Cash		



ACR			
Freq	Worst Case	Average	Spec
1.	78.9	87.3	63.2
4.	68.0	71.9	52.2
8.	66.9	75.3	46.0
10.	66.0	71.5	43.8
16.	60.6	65.8	39.0
20.	54.6	60.7	36.5
25.	53.6	59.5	33.9
31.25	52.6	59.8	31.2
62.5	40.8	45.8	21.4
100.	33.2	39.1	13.3

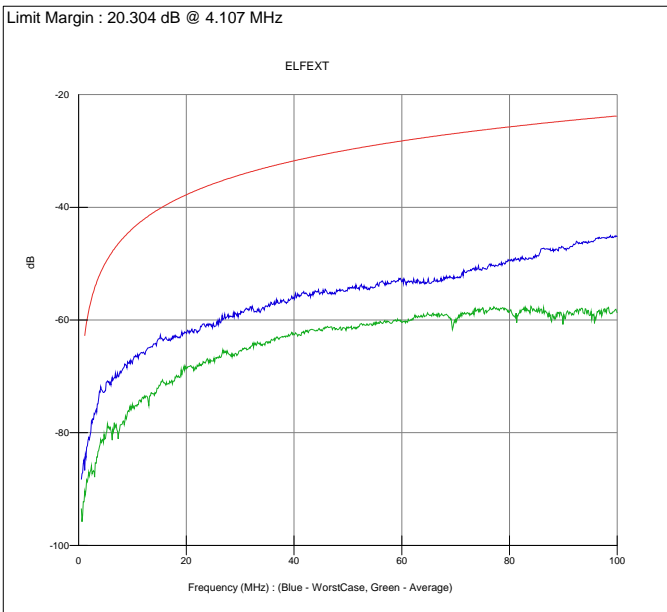


PSACR			
Freq	Worst Case	Average	Spec
1.	77.4	79.8	60.2
4.	65.9	66.5	49.2
8.	64.4	66.7	43.0
10.	63.0	64.7	40.8
16.	58.5	59.9	36.0
20.	52.1	54.7	33.5
25.	50.9	52.8	30.9
31.25	50.4	53.1	28.2
62.5	37.5	39.7	18.4
100.	30.5	32.6	10.3

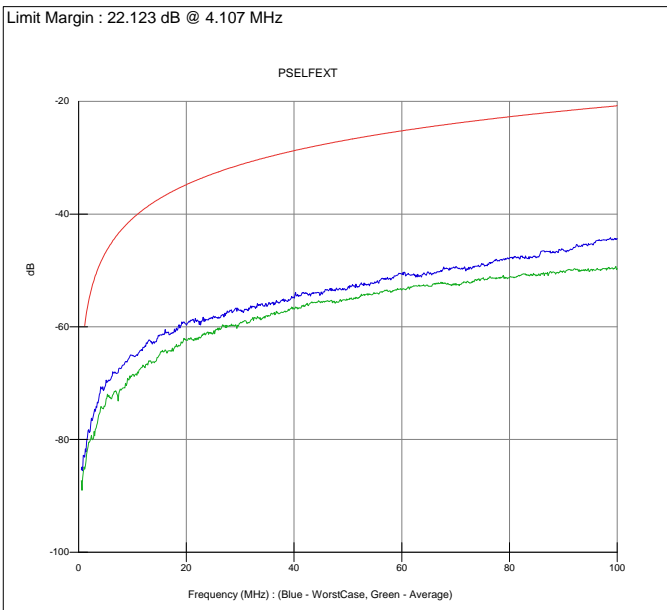


## Summary

<b>Client</b>	Nexans INC. DBA Berk-Tek	<b>Report No</b>	3193544CRT-040c
<b>Specification</b>	TIA-568-C2 - Cat 5e	<b>Length</b>	100.
<b>Part No</b>	10043494	<b>Temperature</b>	20 °C
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<b>Description</b>	4x24 FTP-CMR-Solid	<b>Test Status</b>	Complies
<b>Technician</b>	John Cash		



ELFEXT			
Freq	Worst Case	Average	Spec
1.	84.8	92.2	63.7
4.	72.7	82.0	51.8
8.	69.1	78.6	45.7
10.	67.5	75.2	43.8
16.	63.5	71.2	39.7
20.	62.3	68.5	37.8
25.	60.6	67.3	35.8
31.25	58.1	65.3	33.9
62.5	53.5	59.3	27.9
100.	45.1	58.7	23.8



PSELFEXT			
Freq	Worst Case	Average	Spec
1.	82.9	84.9	60.7
4.	71.6	75.0	48.8
8.	67.2	71.1	42.7
10.	65.1	68.5	40.8
16.	60.8	64.2	36.7
20.	59.7	62.4	34.8
25.	58.1	61.1	32.8
31.25	57.0	59.4	30.9
62.5	51.0	52.7	24.9
100.	44.3	49.7	20.8